

**AMENDMENTS TO THE ABSTRACT**

Please amend the Abstract as follows:

~~The invention relates to a porous nano material polymer composite.~~

~~The~~ A porous nano material polymer composite according to the present disclosure according to the invention is prepared by impregnating monomer in the nanometer order holes of a nano material by supercritical carbon dioxide fluid, and by polymerizing the monomer in situ. ~~Therefore, the~~ polymer composite has a network structure in which polymer penetrates into nano pores.